

CLAIM AMENDMENTS

1. (currently amended): An extraction unit comprising:
 - a carrier having a bottom surface, and;
 - an extraction device for mating with the carrier having a first end and a second end, comprising;
 - a carrier-receiving portion at the first end; and
 - a conduit interconnected to the carrier-receiving portion; the conduit extending between a first opening at the carrier-receiving portion and a second opening at the second end;
 - wherein the carrier receiving portion mates with the carrier-receiving portion, closes the first opening, seals the first opening to prevent fluid flow through the bottom surface, and forms a reservoir.
2. (previously presented): The extraction unit of claim 1 wherein the reservoir has a volume of approximately 0.01 to 250 µL.
3. (currently amended): The extraction unit of claim 1 wherein the second end is adapted to mate with a vessel such that the vessel is in fluid communication with the conduit.
4. (currently amended): The extraction unit of claim 1 wherein specifically transferred material transferred to the carrier by microdissection and non-specifically transferred material is present on the carrier and some non-specifically transferred material is excluded from the reservoir and some specifically transferred material transferred is included in the reservoir.
5. (previously presented): An extraction unit comprising:
 - a carrier, and;
 - an extraction device for mating with the carrier having a first end and a second end, comprising;

a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion; the conduit extending between a first opening at the carrier-receiving portion and a second opening at the second end;

wherein the carrier receiving portion mates with the carrier, closes the first opening, seals the first opening to prevent fluid flow, and forms a reservoir; and wherein at least a portion of an extending feature on the carrier is excluded from the reservoir.

6. (original): An extraction device for mating with a carrier comprising:
a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion; the conduit extending between the carrier receiving portion and a second end;
wherein the carrier-receiving portion is adapted to receive a carrier having a transfer film such that the reservoir is formed and at least a portion of the transfer film is disposed within the reservoir.
7. (original): The extraction device of claim 6 wherein the carrier-receiving portion is adapted to receive the carrier such that at least a portion of the transfer film is disposed outside the reservoir.
8. (original): The extraction device of claim 7 wherein the at least a portion of the transfer film disposed outside the reservoir includes at least one stand-off portion.
9. (original): The extraction device of claim 7 wherein at least a portion of the transfer film disposed outside the reservoir includes matter transferred to the transfer film by non-specific transfer microcapture.
10. (original): The extraction device of claim 6 wherein the at least a portion of the transfer film disposed within the reservoir includes matter transferred to the transfer film by specific transfer microcapture.

11. (previously presented): An extraction device for mating with a carrier comprising:
- a carrier-receiving portion at a first end; and
 - a conduit interconnected to the carrier-receiving portion;
- wherein the carrier-receiving portion is adapted to receive a carrier to form a reservoir and further adapted to selectively cover at least a portion of the carrier, and
- wherein the at least a portion of the carrier includes an extending feature, and at least a portion of the extending feature is sealed from the reservoir.
12. (previously presented): The extraction device of claim 11 wherein non-specifically transferred material is on the portion of the extending feature sealed from the reservoir.
13. (previously presented): The extraction device of claims 11 or 12 wherein the extending feature comprises one or more stand-offs or spacers.

Claims 14-78 (canceled)

79. (currently amended): A method for extracting matter on a carrier comprising the steps of:
- providing a carrier having a transfer film;
 - transferring matter to the transfer film;
 - providing an extraction device with a conduit having a first opening and a second opening;
 - mating the carrier to the extraction device to close the first opening;
 - forming a reservoir with the transfer film;
 - providing fluid to the reservoir via the second open[[in]]ing in the conduit to extract matter from the transfer film; and
 - removing the fluid from the reservoir.

80. (previously presented): The method of claim 79 wherein the step of transferring matter to the transfer film includes transferring matter to the transfer film by specific transfer microcapture; and

 further including the step of disposing matter that is adhered to the transfer film by specific transfer microcapture within the reservoir.

81. (original): The method of claim 79 wherein the step of transferring matter to the transfer film includes transferring matter to the transfer film by non-specific transfer microcapture; and

 further including the step of substantially excluding matter that is adhered to the transfer film by non-specific transfer microcapture from the reservoir.

82. (original) The method of claim 79 wherein the step of providing a carrier having a transfer film includes providing a carrier with at least one stand-off portion; and further including the step of covering the at least one stand-off portion.

Claims 83-92 (canceled)

93. (currently amended): An extraction unit comprising:

 a carrier having a bottom surface; and

 a device adapted for mating with the carrier, the device having;

 a carrier-receiving portion at a first end; and

 a conduit interconnected to the carrier-receiving portion, the conduit

having a first opening at the carrier-receiving portion;

 wherein the carrier is removably attached to the device ~~mates with the carrier~~ at the carrier-receiving portion such that to form a reservoir and to close the first opening is closed by the bottom surface ~~to prevent fluid flow across through the bottom surface the first opening and to form a reservoir with the bottom surface and at least a portion of the conduit~~ and wherein the device excludes at least a portion of the bottom surface of the carrier from the reservoir.

94. (previously presented): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having;
a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion;
wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device excludes at least a portion of the bottom surface of the carrier from the reservoir; and
wherein the bottom surface of the carrier has extending features and the extending features are excluded from the reservoir.
95. (previously presented): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having;
a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion;
wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device excludes at least a portion of the bottom surface of the carrier from the reservoir; and
wherein the bottom surface of the carrier has extending features and the extending features are excluded from the reservoir; and
wherein the extending features comprise one or more stand-offs or spacers.
96. (previously presented): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having;
a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion;
wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device excludes at least a portion of the bottom surface of the carrier from the reservoir; and

wherein the bottom surface of the carrier has a transfer film and at least a portion of the transfer film is excluded from the reservoir.

97. (currently amended): The extraction unit of claim 93 wherein the bottom surface of the carrier has a non-specifically transferred material and specifically transferred material that is transferred to the bottom surface by microdissection and at least a portion of the non-specifically transferred material is excluded from the reservoir and at least a portion of the specifically transferred material is included in the reservoir.

98. (currently amended): The extraction unit of claim 93 wherein the extraction device has a second end, the second end being adapted to mate with a vessel such that the vessel is in fluid communication with [[to]] the reservoir.

99. (previously presented): The extraction unit of claim 98 wherein the vessel is a centrifuge tube or a microtiter plate.

100. (currently amended): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having;
a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion, the conduit having a first opening at the carrier-receiving portion;
wherein the device carrier mates with the carrier device at the carrier-receiving portion to form a reservoir with the bottom surface and at least a portion of the conduit and to close the first opening by the bottom surface and to prevent fluid flow across through the first opening and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir.

101. (previously presented): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having;

a carrier-receiving portion at a first end; and
 a conduit interconnected to the carrier-receiving portion;
 wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir; and
 wherein the bottom surface of the carrier has extending features and the device covers the extending features.

102. (previously presented): An extraction unit comprising:
 a carrier having a bottom surface; and
 a device adapted for mating with the carrier, the device having;
 a carrier-receiving portion at a first end; and
 a conduit interconnected to the carrier-receiving portion;
 wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir; and
 wherein the bottom surface of the carrier has extending features and the device covers the extending features; and
 wherein the extending features comprise one or more stand-offs or spacers.

103. (previously presented): An extraction unit comprising:
 a carrier having a bottom surface; and
 a device adapted for mating with the carrier, the device having;
 a carrier-receiving portion at a first end; and
 a conduit interconnected to the carrier-receiving portion;
 wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir; and
 wherein the bottom surface of the carrier has a transfer film and the device covers at least a portion of the transfer film.

104. (currently amended): The extraction unit of claim 100 wherein the bottom surface of the carrier has a non-specifically transferred material and specifically transferred material transferred to the carrier by microdissection and the device covers at least a portion of the non-specifically transferred material and at least a portion of the specifically transferred material is included in the reservoir.

105. (previously presented): An extraction unit comprising:

- a carrier, and;
- an extraction device for mating with the carrier having a first end and a second end, comprising:
 - a carrier-receiving portion at a the first end; and
 - a conduit interconnected to the carrier-receiving portion; the conduit extending between a first opening at the carrier-receiving portion and a second opening at the second end;
 - wherein the carrier receiving portion mates with the carrier, closes the first opening, seals the first opening to prevent fluid flow, and forms a reservoir; and
 - wherein at least a portion of an extending feature on the carrier is excluded from the reservoir; and
 - wherein the extending features comprise one or more stand-offs or a spacers.

106. (previously presented): A method for extracting matter on a carrier comprising the steps of:

- providing a carrier having a transfer film;
- transferring matter to the transfer film;
- providing an extraction device with a first end and a second end and a conduit extending between the first and second end, the conduit having a first opening at the first end and a second opening at the second end;
- mating the carrier to the first end of the extraction device to close the first opening of the conduit to form a reservoir that contains at least a portion of the transfer film;
- providing fluid to the reservoir through the second opening to extract matter from the transfer film;

mating a vessel to the second end of the extraction device; and
transferring the fluid from the extraction device into the vessel through the second
opening.

107. (previously presented): The method of claim 106 wherein the step of transferring
the fluid from the extraction vessel uses centrifugation.

108. (previously presented): The method of claim 106 wherein the step of transferring
the fluid from the extraction vessel is performed without separating the carrier or the
vessel from the extraction device.